10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

AGTRAP Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18437b

Product Information

Application	WB, E
Primary Accession	Q6RW13
Other Accession	NP_001035284.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB38579
Calculated MW	17419
Antigen Region	133-159

Additional Information

Gene ID	57085
Other Names	Type-1 angiotensin II receptor-associated protein, AT1 receptor-associated protein, AGTRAP, ATRAP
Target/Specificity	This AGTRAP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 133-159 amino acids from the C-terminal region of human AGTRAP.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	AGTRAP Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	AGTRAP
Synonyms	ATRAP
Function	Appears to be a negative regulator of type-1 angiotensin II

	receptor-mediated signaling by regulating receptor internalization as well as mechanism of receptor desensitization such as phosphorylation. Also induces a decrease in cell proliferation and angiotensin II- stimulated transcriptional activity.
Cellular Location	Endoplasmic reticulum membrane; Multi-pass membrane protein. Golgi apparatus membrane; Multi-pass membrane protein. Cytoplasmic vesicle membrane; Multi-pass membrane protein. Note=Present in perinuclear vesicular membranes, Endoplasmic reticulum, Golgi and endocytic vesicles
Tissue Location	Ubiquitous but more abundant in kidney, heart, pancreas and thyroid.

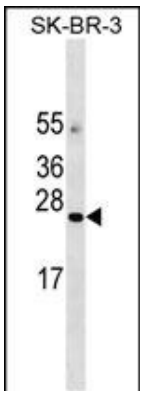
Background

This gene encodes a transmembrane protein localized to the plasma membrane and perinuclear vesicular structures. The gene product interacts with the angiotensin II type I receptor and negatively regulates angiotensin II signaling. Alternative splicing of this gene generates multiple transcript variants encoding different isoforms.

References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
Godin, C.M., et al. Mol. Pharmacol. 77(3):388-395(2010)
Rabbitts, J.A., et al. J. Physiol. (Lond.) 587 (PT 22), 5441-5449 (2009) :
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)
Newton-Cheh, C., et al. Nat. Genet. 41(6):666-676(2009)

Images



AGTRAP Antibody (C-term) (Cat. #AP18437b) western blot analysis in SK-BR-3 cell line lysates (35ug/lane).This demonstrates the AGTRAP Antibody detected the AGTRAP protein (arrow).